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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/583,459	
	Filing Date	June 19, 2006	
	First Named Inventor	Arthur H. Thompson	
	Group Art Unit	3663	
	Examiner Name	Deandra M. Hughes	
Total number of pages in this submission		Attorney Docket Number	2004UR004

ENCLOSURES (check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY OR AGENT	
Firm or Individual Name	J. Paul Plummer, Reg. No. 40,775 ExxonMobil Upstream Research Company
Signature	<i>J. Paul Plummer</i>
Date	June 21, 2007

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/583,459 Confirmation No.: 3699
Applicant : Arthur H. Thompson
Filed : June 19, 2006
TC/Art Unit : 3663
Examiner : Deandra M. Hughes
Docket No. : 2004UR004

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO FIRST OFFICE ACTION

Sir:

This communication is in response to the Office Action mailed May 21, 2007 concerning the above identified patent application.

Remarks begin on page 2 of this paper;

Amendments to the Claims begins on page 5 of this paper;

Conclusion begins on page 10 of this paper.